United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

September 17, 2012

Mr. Ed Peresie
Department of Air Quality
Bureau of Air Pollution Control
301 Thirty-Ninth Street
Pittsburgh, PA 15201

U.S. Environmental Protection Agency
Region III
Air, Radiation & Toxics Division
1650 Arch Street
Philadelphia, PA 19103-2029
ATTN: James W. Hagedorn (3AT23)

Mr. Steve Hepler
Department of Environmental Protection
Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222-4745

Department of Justice
Environmental and Natural Resource Division
Environmental Enforcement Section
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
ATTN: David Street, Esq.

Subject: USS Reference Number: 12-0311
ACHD Reference Number: 15066
#2 Control Room
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Coleen M. Davis at 412-233-1015.

Sincerely,

Thomas E. Schumacher
Acting Plant Manager
Clairton Works

NOTICE OF OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. **USS Reference Number:** 12-0311
   ACHD Reference Number: 15066

2. **Date & Time of Breakdown:** Date: 09/14/12 Time: 0900 hours

3. **Company Name:** U.S. Steel Corporation - USS Clairton Works

4. **Specific Equipment Involved or Affected:** #2 Control Room

5. **BAPC Permit Number (if applicable):**

6. **Location:** Clairton, PA

7. **Nature and cause of breakdown:** A leak in the vacuum axi discharge piping required the shutdown of the #2 Control Room coke oven gas separation process and the Sulfur Plant. As a result and reported on 09/14/12 and 09/16/12, the flare gas igniter pilots have extinguished intermittently due to pilot gas composition stability.

8. **Identification of Emissions:**

   A. **Type(s) (CO, NOX, SO_2, Particulates, Hydrocarbons, etc.)** Elevated H_2S in the downriver and under-firing gas line systems, causing increased SO_2 and VOC at point of combustion. This also caused increased battery combustion stack opacity when the under-firing gas composition changed.

   B. **Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality).** SO_2 is and VOC could be an eye, nose, and throat irritant.

   C. **Amount of each type emitted (or likely to be emitted).** Moderate

9. **Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).**
   The repairs are underway and are expected to span a 1 week period.

10. **Facility back in operation** - Date: Time: hours

Reviewed by _____ Date 2012-09-18
James Hosfield
Environmental Control Engineer Phone: 412-233-1468